Parameters

Electric Parameters:

Working power	DC12~30V
BUS power consumption	40mA/DC24V
RJ45 connection	UDP/IP network interface
BUS connector	HDL Buspro, INNER BUS

Environmental Conditions:

Working temperature	0℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%

Approved:

CE
RoHS

Production Information:

Dimensions	72×90×66 (mm)
Weight	142.5g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection degree	IP20

Installation Step

- Mount the device on the DIN rail inside the DB box
- Mark up each channel.
- Connect the load and HDL Buspro, INNER BUS, check if there is any short circuit in output connection cable.
- Check the connection, avoid any mistakes.
- Mark up each output connection cable, separate high power and low power cable.

HDL Buspro Definition for Cable

HDL Buspro	HDL Buspro/KNX	CAT5/CAT5E
COM	Black	Brown White/Orange White
DATA-	White	Blue White/Green White
DATA+	Yellow	Blue/Green
DC24V	Red	Brown/Orange

Overview

SB-DN-48HNET Hotel room control host which is the core of the hotel system, it can work in conjunction with mix controller. Hotel control host has 48 channels, it must be set from hotel management system. Hotel management software can set the parameters for system , control and monitor doorbell panel, curtain, lights, fan and A/C.
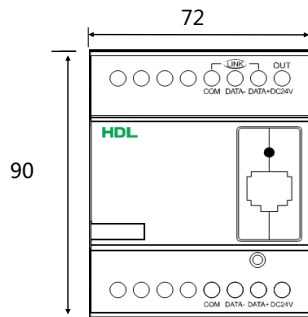
Functions

- 48 channels control, each channel has parameter for lower limit, higher limit , the maximum limit.
- There are totally 99 scenes, each scene's running time is 0-250second.
- Each channel has protection delay time (0-60 mins).
- Each channel can delay the turn ON time (0-250 Second).
- It can run the scene according to the status of card master.
- Monitors and controls A/C, curtain, lighting, room status, service from monitor software.
- There is an RJ45 port on the hotel host, it can connect to each room, reception or manager center. With hotel manage software, this module can integrate with third party management software .
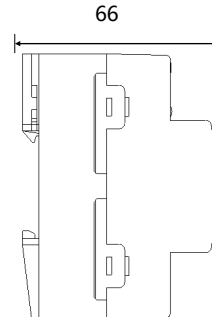
Important Notes

- Installation - DB Box
- Bus cable - CAT5E or HDL Buspro/KNX cable, 0.8mm single-core copper cable.
- Bus Connection - Series connection (hand-in-hand)
- RJ45 cable - CAT5E.
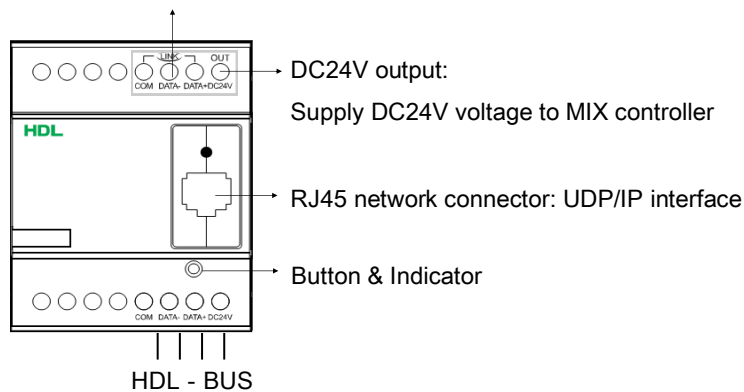- Make sure the IP address and IP MAC address are unique in IP network.

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Dimensions and Wiring

72

90

Front View

66

Side View

INNER BUS for HIX18 module connection

DC24V output:

Supply DC24V voltage to MIX controller

RJ45 network connector: UDP/IP interface

Button & Indicator

HDL - BUS

Button and Indicator:

Flickers in green when the module is working properly.

Keep pressing for 10S, it turns to red, the module will restored to default setting from factory.

Default setting parameters:

IP: 192.168.10.250

ROUTER IP: 192.168.10.1

Port: 6000

Safety attention ⚠ WARNING

- ■ The screw down strength should not exceed 0.4Nm
- ■ Installation: Inside DB box.
- ■ Do not make wrong connection on Bus interface, it will damage the Bus interface of this module.
- ■ Do not get AC power into Bus wire , it will damage all devices in the system.
- ■ Ensure good ventilation.
- ■ Avoid contact with liquids and corrosive gases.

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